

AAM COMMUNITY PLANNING AND INTEGRATION ANNEX
BETWEEN
THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION AND
THE OHIO DEPARTMENT OF TRANSPORTATION

UNDER SPACE ACT UMBRELLA AGREEMENT

ARTICLE 1. PURPOSE

NASA and Partner wish to exchange information and collaborate with the Partner on (i) identifying the characteristics of an early adopter city, and (ii) identifying methods and best practices for how a local government would design an Advanced Air Mobility (AAM) / Urban Air Mobility (UAM) system that is integrated with existing and planned transportation systems able to exchange information across a wide variety of associated government entities.

ARTICLE 2. RESPONSIBILITIES

A. NASA will use reasonable efforts to:

1. Provide information on the development of the AAM/UAM framework, barriers, community milestones, and the results of ARMD's AAM and other related efforts to date.
2. Host and provide subject matter experts for at least four tabletop workshops to mature the Partner's proposed updates to local transportation plan(s) that includes the stakeholders, steps, and actions necessary to integrate AAM into the Partner's local or regional area multi-modal transportation systems. The NASA contributions to the workshops includes subject matter expertise around integration challenges, aircraft and airspace design and operations, demand and contingency modeling and potential paths to address challenges.
3. Contribute to the development of a common local taxonomy to facilitate AAM integration and development across multiple localities.
4. Contribute to the exploration and documentation of best practices for public acceptance strategies and AAM implementation for near and mid-term adopting localities.
5. Provide inputs on Partner's potential AAM/UAM demonstration plans.
6. NASA will utilize input from Partner and its publicly available Transportation Implementation Plan to develop inputs into its AAM infrastructure and architectures efforts, inform NASA research and National Campaign plans, and inform AAM Ecosystem Working Groups (AEWG) and NASA/FAA Working Group activities.

B. Partner will use reasonable efforts to:

1. Provide information on the community's current goals and associated timelines, descriptions of current efforts underway and planned efforts that have been approved for implementation.

2. Attend, develop content, and provide subject matter experts for at least four tabletop workshops to develop inputs into the locality's transportation plan(s). Subject matter expertise should be consistent with expectations of the Partner team for the inclusion of AAM into those transportation plans. Partner will use best efforts to invite and include relevant Department of Transportation representatives, city planners, transportation system planners, safety or emergency response personnel and planners, infrastructure providers and developers, zoning planners, personnel engaged with community outreach or collaboration, local airports, universities, community and civic organizations and other relevant organizations that would contribute to Partner's efforts to enable local AAM operations.
3. Contribute to the development of a common local taxonomy to facilitate AAM integration and development across multiple localities.
4. Contribute to the exploration and documentation of best practices for public acceptance strategies and AAM implementation for follow-on adopting localities.
5. Provide plans for potential AAM demonstrations.
6. Partner will share its draft inputs to local transportation plans and AAM related inputs with NASA to support NASA's development of inputs into its infrastructure and architectures efforts, inform NASA research and National Campaign plans and AEWG and NASA/FAA Working Group activities.

ARTICLE 3. SCHEDULE AND MILESTONES

The planned major milestones for the activities for this Annex defined in the "Responsibilities" Article are as follows:

Provide information on the development of the AAM/UAM framework, barriers, community milestones, and the results of ARMD's AAM and other related efforts to date.	Within 2 months of signing Annex
Provide information on the community's current goals and associated timelines, descriptions of current efforts underway and planned efforts that have been approved for implementation.	Within 2 months of signing Annex
Partner and NASA finalize plans for tabletop workshops	Within 2 months of signing Annex
Partner and NASA participate in at least four tabletop workshops to develop inputs into the local transportation plan(s). These updates would include the stakeholders, steps, and actions necessary to integrate AAM into the local or regional area multi-modal transportation systems.	Within 12 months of signing Annex

NASA and partner contribute to the development of a common local taxonomy to facilitate AAM integration and development across multiple localities.	Within 13 months of signing Annex
Partner deliver proposed updates to transportation plan(s)	Within 14 months of signing Annex
NASA and partner contribute to the development of a document capturing best practices and strategies to support public acceptance and AAM implementation for follow-on adopting localities.	Within in 15 months of signing the Annex
Partner provide plans and NASA comment on potential AAM demonstrations.	Within in 16 months of signing the Annex

ARTICLE 4. INTELLECTUAL PROPERTY RIGHTS - DATA RIGHTS

A. Data produced under this Annex which is subject to paragraph C. of the Intellectual Property Rights - Data Rights Article of the Umbrella Agreement will be protected for the period of five (5) years.

B. Under paragraph H. of the Intellectual Property Rights - Data Rights Article of the Umbrella Agreement, Disclosing Party provides the following Data to Receiving Party. The lists below may not be comprehensive, are subject to change, and do not supersede any restrictive notice on the Data provided.

1. Background Data: The Disclosing Party's Background Data, if any, will be identified in a separate technical document.
2. Third Party Proprietary Data: The Disclosing Party's Third Party Proprietary Data, if any, will be identified in a separate technical document.
3. Controlled Government Data: The Disclosing Party's Controlled Government Data, if any, will be identified in a separate technical document.
4. The following software and related Data will be provided to Partner under a separate Software Usage Agreement: None

ARTICLE 5. TERM OF ANNEX

This Annex becomes effective upon the date of the last signature below ("Effective Date") and shall remain in effect until the completion of all obligations of both Parties hereto, or five years from the Effective Date, whichever comes first, unless such term exceeds the duration of the Umbrella Agreement. The term of this Annex shall not exceed the term of the Umbrella Agreement. The Annex automatically expires upon the expiration of the Umbrella Agreement.

ARTICLE 6. RIGHT TO TERMINATE

Either Party may unilaterally terminate this Annex by providing thirty (30) calendar days written notice to the other Party.

ARTICLE 7. POINTS OF CONTACT

The following personnel are designated as the Points of Contact between the Parties in the performance of this Annex.

Technical Points of Contact

NASA

Nancy Mendonca
Deputy AAM Mission Integration Office
300 E St. SW
Washington, DC 20546
Phone: 202-258-3051
Email: nancy.mendonca@nasa.gov

THE OHIO DEPARTMENT OF TRANSPORTATION

UAS Center
Fred Judson
Director
4170 Allium Court

Springfield, OH 45505
Phone: 419-373-4497

Email: Fred.Judson@dot.ohio.gov

ARTICLE 8. MODIFICATIONS

Any modification to this Annex shall be executed, in writing, and signed by an authorized representative of NASA and the Partner. Modification of an Annex does not modify the terms of the Umbrella Agreement.

ARTICLE 9. SIGNATORY AUTHORITY


The signatories to this Annex covenant and warrant that they have authority to execute this Annex. By signing below, the undersigned agrees to the above terms and conditions.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

JON
BY: MONTGOMERY
Mr. Jon Montgomery
Deputy Associate Administrator for
Policy, Aeronautics Research Mission
Directorate

Digitally signed by JON
MONTGOMERY
Date: 2021.05.07
17:44:05 -04'00'

THE OHIO DEPARTMENT OF TRANSPORTATION

BY: 
Jack Marchbanks
Director

DATE: 5/7/21

DATE: 3-30-2021